

Securing the  
**global**  
village



Aladdin**CARD**<sup>TM</sup>

**Installation Instructions**

Aladdin<sup>®</sup>  
SECURING THE GLOBAL VILLAGE

# AladdinCARD™

## **Installation Instructions**

Version 1.1

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# Introduction

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Software protection keys are being used by a growing number of software vendors. Lost or stolen keys may cost valuable time or money, therefore, you may need a better solution for connecting the keys to your computer. With the end-user in mind, Aladdin offers AladdinCARD - the optimal solution for connecting software protection keys to PCs.

AladdinCARD is a special parallel card which enables you to install several HASP keys without having to have a long chain of protection keys connected to the computer.

The protection keys are installed inside the computer, making it difficult to remove them. This is especially important for computers to which many different users have access, e.g. in universities and large companies.

The AladdinCARD gives you the following possibilities:

- You can install several HASP keys internally. The number depends on the dimensions of your computer.
- The HASP keys can be connected to the external interface using the supplied cable. This gives you an extra parallel port, which you can use for additional protection keys, a printer, or other parallel peripherals.

We offer two different versions of the AladdinCARD:

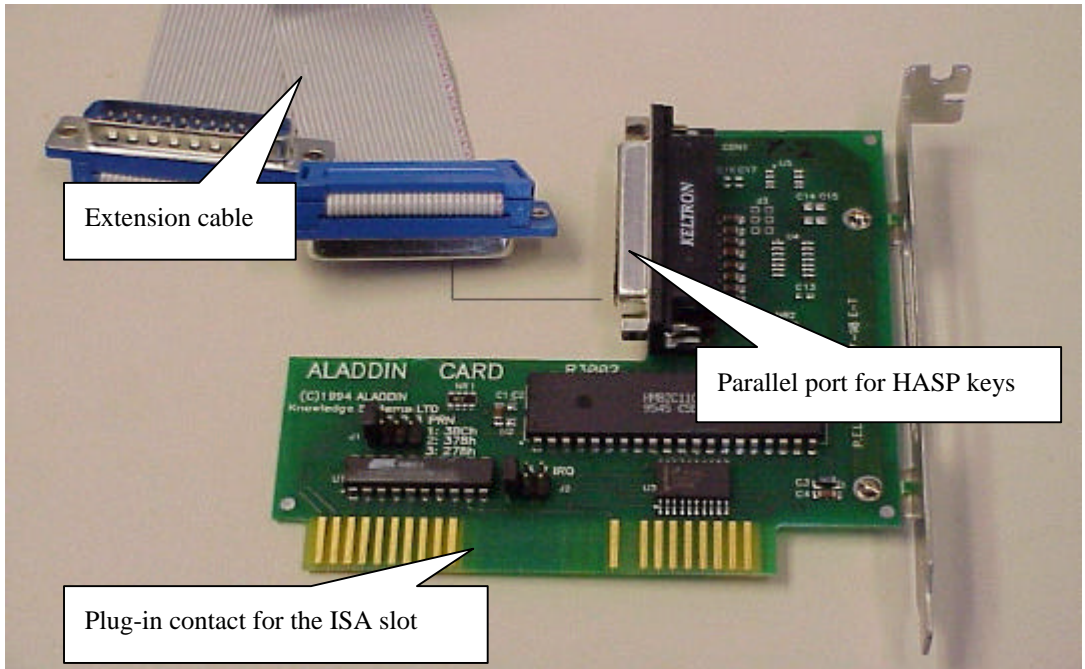
- AladdinCARD for the ISA slot
- AladdinCARD for the PCI slot

When installing the card, follow the instructions for the specific version and additional information provided by your software supplier.



# AladdinCARD for the ISA Slot

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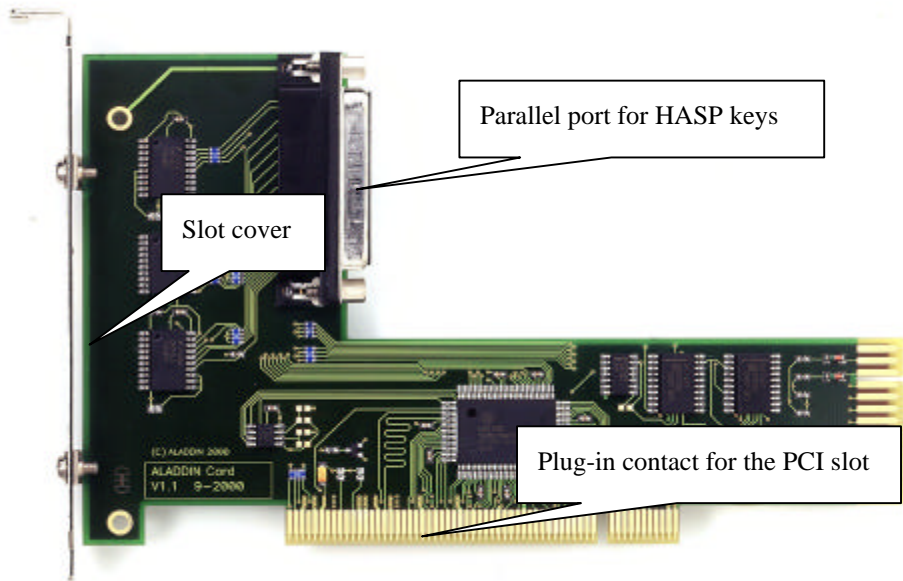


**Extension cable and AladdinCARD for the ISA slot**



# AladdinCARD for the PCI Slot

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**AladdinCARD for the PCI slot**



# Preparing the Hardware

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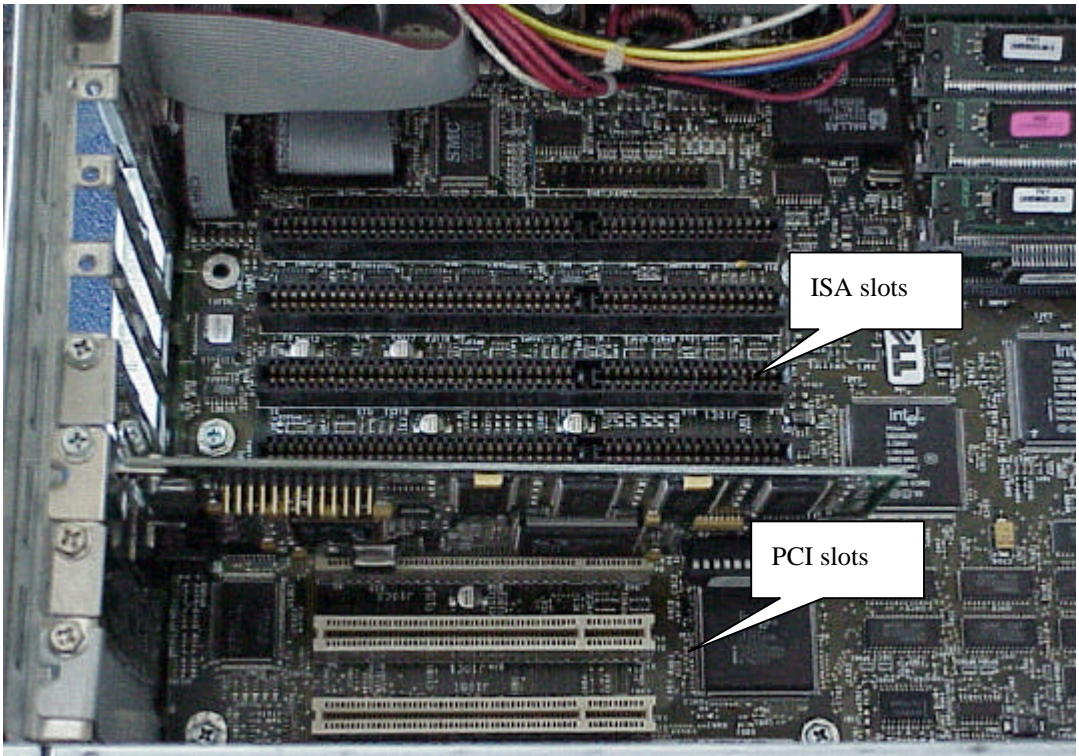
1. *Carefully* unpack the card. Avoid touching any components or connection contacts when doing this. If you do, there is a risk of irreparable damage to components due to static discharges.
2. Connect the HASP keys to the parallel port on the card and tighten the screws.  
**Note:** We cannot guarantee that protection keys made by other manufacturers will daisy-chain transparently on the AladdinCARD.
3. Use the supplied cable to connect the last protection key and the slot cover together. This step is only necessary if you wish to use the card as an extra parallel port.
4. If the AladdinCARD is an ISA version, configure it using the jumpers. See "Settings on the AladdinCARD for ISA" section on page 17.



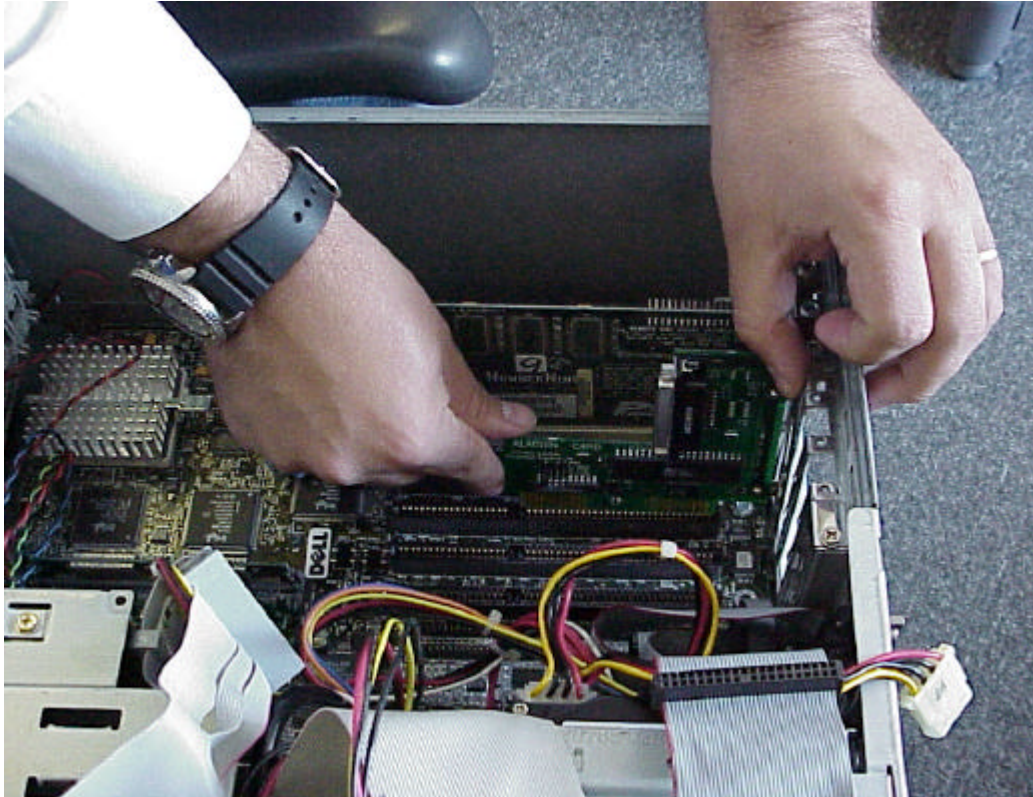
# Installing the Hardware

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1. Switch off the computer and disconnect the main plug. Disconnect any other cables if required and open the housing.
2. Use a wrist grounder to ground yourself or briefly touch a metal part of the computer housing.
3. Select an unused ISA or PCI slot and remove the corresponding slot cover from the computer housing.



4. Install the card in the appropriate slot. Make sure the slot cover is pointing towards the housing. First, carefully press the side facing away from the computer housing into the interface, then the side facing the housing.



5. Tighten the slot cover onto the computer housing.
6. Put back the housing cover, reconnect the computer to the power supply and connect the cables which you removed previously.

# Putting the Hardware into Operation

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You can start using the AladdinCARD once you have installed the hardware. The procedure following installation depends on the type of card and the operating system.

## AladdinCARD for the ISA Slot

The card will be automatically detected when you restart your system if your computer is Plug-n-Play compliant with operating systems such as Windows 95/98/ME and Windows 2000.

The card will not be detected automatically if you are running Windows NT4. In this case you need to make changes to the BIOS settings.

1. When your computer restarts, activate the BIOS setup to ensure that the parallel port is activated. You can enter the BIOS setup by pressing the specified key when the computer starts but before the operating system starts (generally **Del**, **F1** or **F2**).
2. In the BIOS, look for the parallel port setting. This is generally found in the **Peripherals** section. Change the setting to **Auto** so the port will be detected automatically, or enter the IRQ address which is set on the card, see the "Settings on the AladdinCARD for ISA" section on page 17.
3. Save your changes and exit the BIOS settings.
4. Restart the computer.  
The card will now be detected automatically.
5. Finally, install the drivers for the protection keys which are connected to the card. Usually, these drivers are supplied by the software vendor together with the protected application.

## AladdinCARD for the PCI Slot

For the PCI version of the AladdinCARD, you need to install special drivers. These drivers are supplied as files together with the card. The installation procedure depends on the operating system.

### Windows XP

To install drivers under Windows XP you need to be logged on as an administrator.

1. Start the computer. A message is displayed informing you that the new hardware has been detected and the Found New Hardware Wizard is started.
2. Choose **Install from a list or specific location**.
3. Click **Next** to start the installation.
4. Select **Search for the best driver in these locations** and **Include this location in the search**.
5. Browse to the path *aladdincard\win2000\_xp* on the HASP CD and click **Next**.
6. Click **Continue Anyway**. (Aladdin is currently in the process of signing the AladdinCARD PCI for windows XP).
7. Click **Finish**.

The card will now be detected automatically. A random address is assigned to the parallel port under Windows XP.

### Windows NT4

To install drivers under Windows NT4 you need to be logged on as an administrator.

8. Start the computer.
9. Start the drivers installation wizard - ACPCI\_INSTALL.EXE. The files PCIAKS.INF and PCIAKS.SYS must be in the same folder.

The **Windows NT4 Device Installation** dialog opens.

10. Click **Next**.
11. Select the **INSTALL** option and click **Next**.

A message is displayed that the operation was completed successfully.

12. Click **Exit** to finish the installation.
13. Restart the computer.

The card will now be detected automatically. The new parallel port is generally assigned to LPT2.

## Windows 2000

To install drivers under Windows 2000 you need to be logged on as an administrator.

1. Start the computer.

A message is displayed informing you that new hardware has been detected. The **Found New Hardware Wizard** opens.

2. Click **Next** to start the installation.

3. Select **Search for a suitable driver for my device** and click **Next**.

The **Locate Driver Files** window appears.

4. Select the location you want to search. If you are searching on a floppy disk drive or a CD drive insert the disk or CD-ROM.

5. Click **Next**.

6. If the correct driver can't be found click **Back** to search again. Select **Specify location** and browse for the folder in which the AKSPCI.INF and AKSPCI2.INF driver files are located. The files are located on the supplied Aladdin CD or in a folder on the CD provided by your software supplier.

7. Click **OK** to search the selected folder.

The **Driver Files Search Results** window appears.

8. Click **Next** to install the driver.

9. Click **Finsh** to complete the installation.

The card will now be detected automatically. A random address is assigned to the parallel port under Windows 2000.

## Windows 95

1. Start the computer.

A message is displayed informing you that new hardware has been detected. The **Update Device Driver Wizard** opens.

2. Insert the floppy disk or CD-ROM into the drive and click **Next** to search for a suitable driver.

3. If the driver is not found click the **Other locations** button.

The **Select Other Location** window appears.

4. Browse for the folder in which the AKSPCI.INF and AKSPCI2.INF driver files are located. The files are located on the supplied Aladdin CD or in a folder on the CD provided by your software vendor. The AKSPPUI.DLL and AKSPP.VXD files must be in the same folder. Click **OK** to open the folder.
5. If the file is not found, browse for the folder a second time and click **OK**.
6. Click **Finish** to complete the installation.
7. Restart the computer.

The card will now be detected automatically. The new parallel port is generally assigned to LPT2.

Address 0x378, if available, is assigned with Windows 95/98/ME. Otherwise, address 0x278 is assigned.

## **Windows 98**

1. Start the computer.  
A message is displayed informing you that new hardware has been detected. The **Add New Hardware Wizard** opens.
2. Click **Next**.
3. Select **Search for the best driver for your device** and click **Next**.
4. Select the location you want to search. If you are searching on a floppy disk drive or a CD drive insert the disk or CD-ROM.
5. Click **Next**.
6. If the driver can't be located, click **Back** to search again. Select **Specify location** and browse for the folder in which the AKSPCI.INF and AKSPCI2.INF driver files are located. The file is located on the supplied Aladdin CD or in a folder on the CD provided by your software supplier. The AKSPPUI.DLL and AKSPP.VXD files must be in the same folder. Click **OK** to open the folder.
7. Click **Next** to search the selected folder.
8. Click **Next** to copy and install the driver.
9. Click **Finish** to complete the installation.
10. Restart the computer.

The card will now be detected automatically. The new parallel port is generally assigned to LPT2.

Address 0x378, if available, is assigned with Windows 95/98/ME. Otherwise, address 0x278 is assigned.

## Windows ME

1. Start the computer.

A message is displayed informing you that new hardware has been detected. The **Add New Hardware Wizard** opens.

2. Select **Automatic search for a better driver**.

3. Insert the disk or CD-ROM with the driver and click **Next**.

The **Select Other Driver** window appears.

4. Select the correct driver for the **AladdinCARD PCI Parallel Port** under Windows 9x and click **OK**. The AKSPPUI.DLL and AKSPP.VXD files must be in the same folder.

The files are copied and Windows is ready to install.

5. Click **Finish** to complete the installation.

6. Restart the computer.

The card will now be detected automatically. The new parallel port is generally assigned to LPT2.

Address 0x378, if available, is assigned with Windows 95/98/ME. Otherwise, address 0x278 is assigned.



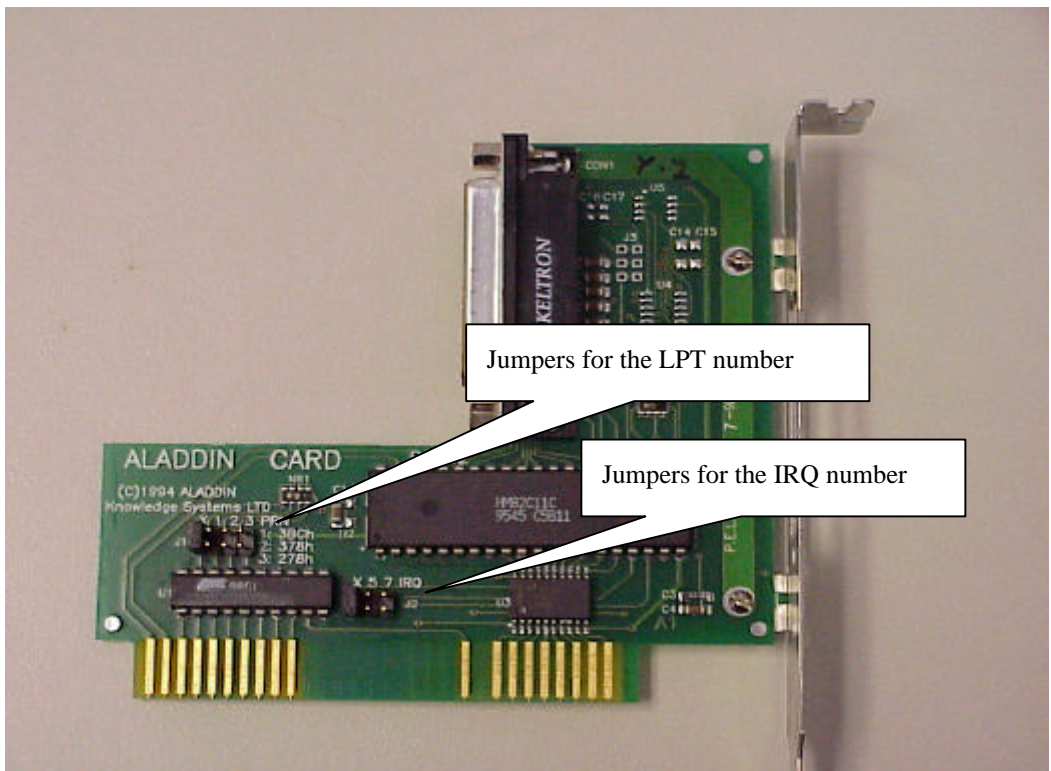
## Settings on the AladdinCARD for ISA

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There are two jumper sets on the AladdinCARD for ISA. You can use these to configure the card. You can set the following:

- LPT number (default setting LPT 3, address 278h)
- IRQ number (default setting X)

You can alter the values by removing the jumpers from the default value and moving them to the pins corresponding to the configuration you require. The possible values are shown on the card.



## Setting the Desired LPT Number

The LPT number has LPT #3 as the default, address 278h. The jumpers for the LPT number has the ID of J1. This is the left-most group of pins. If you would like the computer to determine the LPT port address to use, you can set the jumper on the X, the Auto jumper. Use this jumper if you are not sure of the LPT port, and if your machine is Plug-n-Play. Using X will search for the first free LPT port address to use, starting with LPT1, LPT2, then LPT3.

**LPT #1 (Address 3BCh); LPT #2 (Address 378h); LPT #3 (Address 278h)**

**Note:** Verify that only one jumper is set to the ON position, and that the AladdinCARD™ is not colliding with the addresses of other add-in cards inside the PC.

## Setting the Desired IRQ Number

The IRQ has X as the default. The jumpers for the IRQ number have the ID of J2. This is the right-most group of pins. X is the Auto jumper, which will search for a free IRQ, out of the choice of IRQ 5 or IRQ 7. Otherwise, you can set the card to use either IRQ 5 or IRQ 7.